



# NEWSLETTER

## Oklahoma Section American Chemical Society

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Volume 11 Number 4

September 1, 2005

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### Rediscovery Of The Elements

**Friday - September 30, 2005**  
**Wood Science Building**  
**Oklahoma Baptist University**  
**Shawnee OK 84701**

**Dr. James L. Marshall**  
**Virginia Marshall**  
**University of North Texas**  
**Denton TX 76203-5070**

For the past seven years **Dr. Jim and Jenny Marshall** have been involved in "**Rediscovery of the Elements,**" where they have traveled to the sites where the elements were originally found. These travels take them to old laboratories, mines, universities, museums, ancient buildings and houses -- mostly in Europe, where science was born several centuries ago and where the fundamentals of modern chemistry were developed. In their project Jim and Jenny have traveled and researched elements in over twenty countries in Europe, as well as Mexico, Canada, and the U.S. In their presentation Jim and Jenny will present a brief tour of the types of adventures encountered during this research, spanning countries reaching from Scotland through France to Bohemia. Particular emphasis will be placed on the discovery of uranium and radium and the story of radioactivity. Jim and Jenny will include several demonstrations to dramatize the fascinating researches of Pierre and Marie Curie. After the talk Jim and Jenny will distribute copies of some of their descriptive materials, including the "Iconic Periodic Table of the Elements."

*[Reservation Information on Page 2]*

Schedule: [Note: the "family night" meeting format.  
Also a FRIDAY evening meeting]

**6:00 PM Social Hour:** Wood Science Building: Games [indoor/outdoor], soft drinks. Social hour will blend into dinner time.

**7:00 PM Dinner:** Wood Science Building: Tables/chairs set up inside or folks can eat outside if weather permits.

**8:00 PM Speaker:** Wood Science Building - Large Lecture Hall.

**Menu:** Hamburgers, hotdogs, potato chips, pickles, cookies & brownies.

**Cost:** \$8.00-ACS Member; \$5.00-ACS Student Affiliate; \$3.00 Child < 12 years.

**Deadline: Wednesday, 28 September, 2005 - 5:00 PM. Shawna York 405.878.2028**  
[shawna.york@okbu.edu](mailto:shawna.york@okbu.edu) [Indicate # of adults & # children.]

## Directions To Wood Science Building:

### From I-40:

Exit at Kickapoo Interchange.

Head South on Kickapoo until you reach University [third traffic light].

Turn **WEST** onto University and then next **right** onto "The Oval".

Wood Science Building is the first building on the right.


If spaces are available, attendees can park on "The Oval".

If not, follow "The Oval" back around to University and parking lots can be found on both sides of the street **west** of "The Oval" on University.

### From South:

Take **Kickapoo Spur Exit** off US 177. North on Kickapoo to University.

## Dr. James L. Marshall

**James L. Marshall** gained his B.S. in chemistry at Indiana University in 1962, and his Ph.D. in organic chemistry at Ohio State University in 1966. The following year Dr. Marshall joined the Department of Chemistry at the University of North Texas. At UNT he was involved in conformational analysis utilizing carbon-13 nuclear magnetic resonance coupling constants. During the early 1980s Dr. Marshall spent six years at Motorola, Inc., Ft. Worth, where he developed the laboratory facilities for the Advanced Manufacturing Technology Program. In 1987 he returned to the University of North Texas where he conducted materials research; and in the 1990s he initiated research in chemical history. His research at UNT has resulted in over 100 publications, including a reference book on nmr, and several books on the history of chemistry and laboratory chemistry. At UNT Dr. Marshall has served as Director of Industry-University Cooperative Research Center, Director of the Center for Materials Characterization, and Chairman of the Department of Chemistry. Dr. Marshall has served as Chairman of the Dallas-Ft. Worth Section of the American Chemical Society, and during the period 1995- 2003 was Managing Editor of The Southwest Retort, an ACS publication of the Southwest Regional. He has served as an ACS national tour speaker for many years. For the past six years he and his wife have been developing an extensive work, "Rediscovery of the Elements," where they visit and reported on international historical sites where the elements have been discovered and characterized. . . . . 

## Neil Purdie - Oklahoma Chemist 2005

**Neil Purdie**, Chair of the Department of Chemistry at Oklahoma State University, has received the 2005 Oklahoma Chemist Award from the five ACS Oklahoma Sections. The award consists of a plaque in the shape of the state and \$1,000. The presentation was made at the 50<sup>th</sup> Oklahoma Pentasectional meeting held in April. Purdie is known for his research into methodologies to identify various lipid, lipoprotein, cholesterol, and cholesterol ester fractions in a quantitative manner from blood samples. In limited clinical trials, applications have been found for revealing various types of dislipidemia and the extent to which they have progressed.

Purdie received the Merrin Award of the Medical School at the University of Cape Town, in South Africa, in 1999 for his work. He has previously received numerous awards for his teaching ability, including the Gold Medallion of the Oklahoma Foundation for Excellence in 1990 as the College/University Teacher of the Year.

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## Oklahoma Chemist Award - 2006

Nominations for **Oklahoma Chemist of the Year - 2006** are now being accepted.

**Five [5] copies** of a single nomination should be sent by **no later than January 20, 2006 to:**

**Dr. K. Darrell Berlin**  
**Department of Chemistry**  
**Oklahoma State University**  
**Stillwater OK 74078**  
**405.744.5950**  
**kdb@okstate.edu**

### **Criteria and Guidelines for the Preparation of the Nomination and For Selection of the Recipient of The Oklahoma Chemist Award.**

1. A nomination letter for the candidate by a colleague, friend, etc.
2. A complete, **up-to-date resumé** of the candidate.
3. A two-page **“highlight”** of the candidate's **major accomplishments**.
4. Five [5] letters of support for the nominee.
  - [a] Two [2] letters from colleagues at the candidate's place of employment.
  - [b] Three [3] letters from outside the candidate's place of employment. Letters from individuals with expertise in the candidate's field are especially welcomed.
5. Special information on the candidate is also solicited, especially as to how the candidate has advanced chemistry in the state of Oklahoma.
6. Candidates may be involved in research or in chemical education within the state.

**kdb . . . . .** 

## Chemistry Olympiad

At its **09/30/05 OBU meeting**, the **Oklahoma Section of the American Chemical Society will honor the 10 outstanding high school chemistry students and their teachers** for their performance in the **2005 Chemistry Olympiad**. Over 250 students in the Oklahoma Section participated in the local competition. Ten qualified to take the U.S. National Chemistry Olympiad Exam in April, 2005.

The students and their teachers are:

|                |                          |                  |
|----------------|--------------------------|------------------|
| Shichao Liang  | OSSM                     | Fazlur Raman     |
| Jason Chen     | OSSM                     | Fazlur Raman     |
| Chris Mihalsky | Edmond North High School | Deborah Greear   |
| Anil Rao       | Edmond North High School | Deborah Greear   |
| Philip Gibson  | Stillwater High School   | Jack Schroeder   |
| Sean Henley    | Stillwater High School   | Jack Schroeder   |
| Lourdes Ramos  | Moore High School        | Valerie Ferguson |
| Derrek McGowen | Moore High School        | Valerie Ferguson |
| An Nguyen      | Classen SAS              | Carolyn Bish     |
| Aaron Anderson | Elk City High School     | Roger Shockey    |

## 50 Year Section Member Awards

The Section's 2005 50 year members will be honored at the November Section meeting at East Central University, Ada. Put the November ACS Section meeting on your schedule: help honor our 50 year ACS members.

The 2005 50 year members are:

**Dr. K. Darrell Berlin - Stillwater**

**Dr. Elliot Porter Doane – Oklahoma City**

**Dr. Floyd Farha Jr – Oklahoma City**

## Section Officers/Committee Members.

The Section will hold a Fall 2005 election for Chair-Elect, Secretary and Alternate Councilor. Nominations for all three positions are now being accepted! If you wish to nominate someone, or stand for one of these offices yourself, contact: **Steve McKim, Nominations Chair:** 580.745.2648 or [smckim@sosu.edu](mailto:smckim@sosu.edu) The ballots will be mailed at the end of September, 2005.

## ACS National Election.

The Committee on Nominations and Elections [N&E] is pleased to announce the final slate of candidates that will appear on the fall 2005 ballot. They are:

### For President-Elect – 2006

Mr. George E. Heinze, President & COO, Rockland Technimed, Ltd., New York

Dr. Catherine T. Hunt, Leader, Technology Partnerships, Rohm and Haas Company, Pennsylvania

Dr. John W. Kozarich, Chairman & President ActivX Biosciences, California

**For Directors-at-Large - 2006-2008**

Dr. James D. Burke, Retired, Rohm and Haas, Pennsylvania

Dr. Edwin A. Chandross, Principal, Materials Chemistry LLC, New Jersey

Dr. C. Gordon McCarty, Retired, Bayer Corporation; Adjunct Professor, University of South Carolina

Dr. Frankie K. Wood-Black, Director, Consent Decree Coordination, Conoco Phillips, Texas

**For Directors, District III - 2006-2008**

Dr. Catherine C Fenselau, Professor, University of Maryland

Dr. Madeleine M Joullie, Professor, University of Pennsylvania

**For Directors, District VI - 2006-2008**

Dr. Bonnie A. Charpentier, Vice-President Regulatory, Genitope Corporation, California

Dr. Stanley H. Pine, Professor, California State University

The above slate of candidates was confirmed at the ACS Council meeting in San Diego, California.

**According to ACS Bylaw V additional candidates may be nominated by petition until July 15<sup>th</sup>, 2005.** We will notify you again after the July 15<sup>th</sup> deadline to confirm the final slate of candidates that will appear on the fall ballot.

**Upcoming Oklahoma 2005 Section Meetings:**

**October:** Thursday October 20, 2005

Speaker: Janis Carlson

Location: OSU Stillwater

**November:** Speaker: Chemist of the Year-Daniel Resasco

Location: ECU/Ada

Date: Thursday, 24 November, 2005

**September 2005 Section Meeting**

**Friday, 30 September, 2005**

**Oklahoma Baptist University**

*Rediscovery Of The Elements.*



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